

IN THE CLAIMS:

1. (Currently Amended) A semiconductor device comprising:
peripheral electrodes formed on an outermost portion a
~~periphery~~ of a semiconductor chip;
internal electrodes formed inside the peripheral electrodes
on the semiconductor chip; and
circuits formed in the semiconductor chip,
wherein the peripheral electrodes are connected to the
circuits by an internal line, and the internal electrodes are
connected to the circuits and the peripheral electrodes by the
internal line, said internal line being covered by an insulating
layer, and
wherein a same signal is either an input and/or output
either to or from both the internal electrode and the peripheral
electrodes, and
wherein rewiring is connected exclusively to either the
peripheral electrodes which are not connected to the internal
electrodes by the internal lines, or to the internal electrodes
which are connected to the peripheral electrodes by the internal
lines, and a wire is connected only to the peripheral electrodes
connecting to external terminals using wire bonding, said
peripheral electrodes and said internal electrodes being formed
within ~~an opening~~ openings provided in said insulating layer.

2. (Original) A semiconductor device according to Claim 1, wherein the internal electrodes are smaller than the peripheral electrodes.

3. (Original) A semiconductor device according to Claim 1, wherein the internal electrodes comprise at least one selected from the group consisting of a power supply terminal, a ground terminal, and a clock terminal.

4. (Previously Presented) A semiconductor device according to Claim 1, wherein the peripheral electrodes not connected to the internal electrodes are used as terminals for RF signals.

5. (Currently Amended) A semiconductor device comprising:
peripheral electrodes formed on an outermost portion a
~~periphery~~ of a semiconductor chip;
internal electrodes formed inside the peripheral electrodes
on the semiconductor chip; and
circuits formed in the semiconductor chip,
wherein the peripheral electrodes are connected to the
circuits by an internal line covered by an insulating layer, the
internal electrodes are connected to the circuits and the
peripheral electrodes by the internal line, and the internal

electrodes are also connected to rewired lines, the rewired lines formed above the internal electrodes with an insulating layer therebetween, and at ends of the rewired lines formed area array electrodes, and said peripheral electrodes and the internal electrodes being formed within openings provided in said insulating layer, and

wherein the rewired lines are connected to the peripheral electrodes which are not connected to the internal electrodes by the internal line, and the rewired lines are not connected to the peripheral electrodes which are connected to the internal electrodes by the internal line.

6. (Currently Amended) A semiconductor device comprising:
peripheral electrodes formed on an outermost portion a
~~periphery~~ of a semiconductor chip;

internal electrodes formed inside the peripheral electrodes
on the semiconductor chip;

area array electrodes connected to selected one of the
peripheral electrodes and the internal electrodes and formed on
the semiconductor chip; and

circuits formed in the semiconductor chip,

wherein the peripheral electrodes are connected to the
circuits by an internal line covered by an insulating layer, the
internal electrodes are connected to the circuits and the

peripheral electrodes by the internal line, and the area array electrodes comprise first area array electrodes connected to the internal electrodes by rewired lines and second area array electrodes connected to the peripheral electrodes which are not connected to the internal electrodes by an internal line by rewired lines, said peripheral electrodes and the internal electrodes being formed within openings provided in said insulating layer; and

wherein the area array electrodes are not connected to the peripheral electrodes which are connected to the internal electrodes by the internal line.

7. (Original) A semiconductor device according to Claim 6, wherein the first area array electrodes comprise at least one selected from the group consisting of a power supply terminal, a ground terminal, and a clock terminal.

8. (Previously Presented) A semiconductor device according to Claim 6, wherein the second area array electrodes are used as terminals for RF signals.